Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/24/2022 08:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124049	-1	1.54	123913	1.54
Blue	F	SSC	125000	124655	-1	3.07	125232	2.97
Blue	E	FITC	15860	15440	-3	2.27	376	13.63
Blue	D	PE	27718	27569	-1	1.70	643	10.31
Blue	B	PerCP-Cy5-5	38046	37284	-3	2.93	1019	14.47
Blue	A	PE-Cy7	26092	25927	-1	4.74	508	29.40
Red	C	APC	49104	48917	-1	2.54	1722	11.17
Red	A	APC-Cy7	28201	27495	-3	3.03	723	12.44
Violet	B	V450	9904	9512	-4	3.97	530	11.98
Violet	A	V500	39004	38130	-3	3.57	997	9.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23907	2.01	560	-9	N/A	N/A	Pass
Blue	F	SSC	55833	1.63	519	-9	N/A	N/A	Pass
Blue	E	FITC	59	54.24	488	-3	0.0476	105	Pass
Blue	D	PE	125	37.49	494	-2	0.3998	277	Pass
Blue	B	PerCP-Cy5-5	141	43.87	585	-4	0.0212	90	Pass
Blue	A	PE-Cy7	64	92.25	628	-4	0.0237	7	Pass
Red	C	APC	332	26.51	578	-3	0.0296	207	Pass
Red	A	APC-Cy7	97	40.77	550	-5	0.0059	687	Pass
Violet	B	V450	85	52.09	457	-1	0.0574	2543	Pass
Violet	A	V500	126	36.72	469	0	0.0260	2173	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.90	-31.69	1.16
Blue	20.36	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	15.29	13.90 - 20.86	N/A	N/A	30.09	30.31	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10049

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments